

Atty. Docket: SPA61201

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:	:	Assignee:
	:	
SWALLOW, Jamie and	:	SPARTAN CONTROLS LTD.
YOUNG, Brent Richmond	:	
	:	Examiner: Samuel P. SIEFKE
Serial No.: 09/919,331	:	
	:	Group Art Unit: 1743
Filed: July 30, 2001	:	
	:	
Title: METHOD AND APPARATUS	:	
FOR ANALYSING ACID GAS LOADING	:	
WITHIN AN AMINE SOLUTION	:	

RESPONSE UNDER 37 CFR 1.111BY FACSIMILE (703 872-9306)

Honorable Commissioner of Patents and Trademarks
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Responsive to the Examiner's action of October 14, 2003, applicant requests that the above-identified application be amended as follows:

Amendments to the specification begin on page 2 of today's paper.

Amendments to the claims are reflected in the listing of the claims which begin on page 3 of today's paper.

Remarks begin on page 5 of today's paper.

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Amendments to the Specification

Replace the paragraph commencing on page 5, line 20 and bridging over to page 6, line 17 with the following amended paragraph:

-- According to a further aspect of the invention, there is provided apparatus for determining the acid concentration of an amine solution carrying hydrogen sulfide and carbon dioxide comprising a first analytical cell for measuring the conductivity of a first liquid stream containing said hydrogen sulfide, said carbon dioxide and heat stable salts within said amine solution, a second analytical cell for measuring the conductivity of said second liquid stream containing said hydrogen sulfide and carbon dioxide without said heat stable salts, a hydrogen sulfide remover for acting on said second liquid stream and removing said hydrogen sulfide thereby to form a third liquid stream, a third analytical cell for measuring the conductivity of said third liquid stream containing said carbon dioxide without said hydrogen sulfide and said heat stable salts and a computing device operable to receive signals from said first, second and third analytical cells, to analyse said measurements of said conductivity of said first, second and third analytical cells and to produce a value for said acid concentration of said amine solution. -

FEB 17 2004

OFFICIAL

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AMENDMENT TRANSMITTAL LETTERBY FACSIMILE (703 872-9306)

Honorable Commissioner of Patents and Trademarks
P. O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Transmitted herewith is a response to the Examiner's action dated October 14, 2003 on the above-identified application.

[] Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.

[] A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.

The fee has been calculated as shown below:

Total claims remaining after amendment..... 7
(Minus) Highest number previously paid for.. 20
(NOTE: A fee is paid for each claim in 0*
excess of twenty (20))

Total independent claims after amendment..... 2

- 2 -

(Minus) Highest number previously paid for... 3
(NOTE: A fee is paid for each independent claim in excess of three(3)) 0**

First presentation of multiple dependent claim..... 1***
(NOTE: A fee is paid for each multiple dependent claim)

<u>Small Entity</u>		<u>Large Entity</u>	
*0 x \$9.00	0.00	*0 x \$18.00	0.00
**0 x \$39.00	0.00	**0 x \$78.00	0.00
***0 x \$130	<u>0.00</u>	***0 x \$260.00	<u>0.00</u>
<u>Total Fee: 0.00</u>		<u>Total Fee: 0.00</u>	

☒ No additional fee is required.

☐ Our check is enclosed.

☐ Please charge deposit account no. 21-0885. A duplicate copy of this form is attached.

☒ Please charge any additional fees due, or credit any overpayment, to Deposit Account 21-0885. A duplicate copy of this form is attached.

Respectfully submitted,

SPARTAN CONTROLS LTD.

Per: _____

John R. Uren
Regn. No. 27, 530

Date: February 17, 2004

John Russell Uren, P.Eng.
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